AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-30 (Canceled)

31. (New) An expandable composition comprising:

A: a compound having at least one isocyanate function;

B: a polyamide; and

C: a compound having at least one acid function, optionally a carboxylic acid function.

32. (New) The composition according to Claim 31, wherein the polyamide is an oligomer or a polymer with a number-average molecular mass of greater than or equal to 1 000 g/mol.

33. (New) The composition according to claim 31, wherein the polyamide is polyamide 6, polyamide 6,6, or blends and copolymers thereof.

34. (New) The composition according to claim 31, wherein the polyamide is a linear polyamide.

35. (New) The composition according to claim 31, wherein the polyamide comprises starburst or H-shaped macromolecular chains.

36. (New) The composition according to claim 31, wherein the polyamide is a copolyamide of random arborescent structure.

37. (New) The composition according to claim 31, wherein the polyamide is a composition comprising a linear polyamide and a starburst and/or H-shaped and/or arborescent polyamide.

38. (New) The composition according to claim 31, wherein the polyamide is a composition comprising a hyperbranched copolyamide.

39. (New) The composition according to claim 31, wherein compound A is a polyisocyanate.

40. (New) The composition according to Claim 39, wherein the polyisocyanate is a polyisocyanate of formula (I):

$$Y\text{-}(\text{-}N{=}C{=}O)_n$$

wherein Y is a substituted or unsubstituted aromatic, aliphatic, cycloaliphatic or heterocyclic multivalent group optionally comprising hetero atoms and n is at least equal to 1.

41. (New) The composition according to claim 39, wherein the polyisocyanate is a diisocyanate or a triisocyanate.

42. (New) The composition according to claim claim 39, wherein the polyisocyanate is an isocyanurate.

43. (New) The composition according to claim 31, wherein compound A is other than a prepolymer or a polymer.

44. (New) The composition according to claim 31, wherein the isocyanate functions of compound A are protected with a protecting group.

45. (New) The composition according to claim 44, wherein the protecting group is a lactam, optionally caprolactam.

46. (New) The composition according to claim 44, wherein the compound A has a deprotection temperature of the isocyanate functions greater than the melting point or softening point of polyamide B.

47. (New) The composition according to claim 31, wherein compound C is a dicarboxylic acid.

48. (New) The composition according to claim 31, wherein compound C is the polyamide B.

49. (New) The composition according to claim 31, further comprising a pore-forming agent, a nucleating agent, a surfactant, a plasticizer, reinforcing fillers, matting agents, pigments, colorants, heat stabilizers, light stabilizers, bioactive agents, antisoiling agents, antistatic agents or flame retardants.

50. (New) A process for preparing a polyamide foam from an expandable composition as defined in claim 21, comprising the steps of:

a) heating the composition to a temperature of at least 80°C, and

b) stabilizing the alveolar structure obtained, and

c) recovering the foam obtained in step b).

51. (New) The process according to Claim 50, wherein the temperature of step a) is greater than or equal to the melting point or softening point of the polyamide of the composition.

52. (New) The process according to claim 50, wherein the temperature of step a) is greater than or equal to the deprotection temperature of the isocyanate functions of compound A.

53. (New) The process according to claim 50, wherein a pore-forming agent, a nucleating agent, a surfactant, a plasticizer, reinforcing fillers, matting agents, pigments, colorants, heat stabilizers, light stabilizers, bioactive agents, antisoiling agents or antistatic agents is further added to the composition in step a).

54. (New) The process according to Claim 50, wherein the foam obtained in step c) has a mass per unit volume of less than or equal to 0.5 g/cm^3.